

ANNUAL RETURN INFORMATION REQUIREMENTS

SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C1: Water Quality Outputs - Compliance

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Calendar Year -1		Calendar Year	
					2002	CG	2003	CG
							10	
Summary								
C1.1	Number of determinants taken at customer's tap	-	nr	l			123034	A1
C1.2	Sample determinants failing at customer's tap	-	nr	l			1264	A1
C1.3	Number of water supply zones in the Water Authority's supply area	-	nr	l			482	A1
C1.4	Number of zones reporting determinant failure	-	nr	l			294	A1
Specific Parameters Within Water Supply Zones								
C1.5	Number of zones failing for total coliforms	-	nr	l			100	A1
C1.6	Number of zones failing for faecal coliforms	-	nr	l			21	A1
C1.7	Number of zones failing for colour	-	nr	l			60	A1
C1.8	Number of zones failing for turbidity	-	nr	l			4	A1
C1.9	Number of zones failing for hydrogen ion (pH)	-	nr	l			8	A1
C1.10	Number of zones failing for aluminium	-	nr	l			17	A1
C1.11	Number of zones failing for iron	-	nr	l			83	A1
C1.12	Number of zones failing for manganese	-	nr	l			29	A1
C1.13	Number of zones failing for lead	-	nr	l			8	A1
C1.14	Number of zones failing for total trihalomethanes	-	nr	l			123	A1
C1.15	Number of zones failing for all other parameters	-	nr	l			128	A1
Samples Taken for Water Leaving the WTWs								
C1.16	Number of coliform samples taken	-	nr	l			35364	A1
C1.17	Number of samples with coliform failures	-	nr	l			108	A1
C1.18	Number of samples with faecal coliforms failures	-	nr	l			59	A1
C1.19	Number of WTWs failing for cryptosporidium	-	nr	l			13	A1
WTWs/Service Reservoirs								
C1.20	Number of untreated supplies	-	nr	l			165	C4
C1.21	Number of WTWs subject to temporary derogations	-	nr	l			0	N
C1.22	Number of service reservoirs tested for coliforms	-	nr	l			1345	A1
C1.23	Number of service reservoirs having > 5% of coliform samples failing	-	nr	l			16	A1

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					10
Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Calendar Year 2003

Comment Necessary Y/N	Comment
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Summary				
C1.1	Number of determinants taken at customer's tap	-	nr	I
C1.2	Sample determinants failing at customer's tap	-	nr	I
C1.3	Number of water supply zones in the Water Authority's supply area	-	nr	I
C1.4	Number of zones reporting determinant failure	-	nr	I

Specific Parameters Within Water Supply Zones				
C1.5	Number of zones failing for total coliforms	-	nr	I
C1.6	Number of zones failing for faecal coliforms	-	nr	I
C1.7	Number of zones failing for colour	-	nr	I
C1.8	Number of zones failing for turbidity	-	nr	I
C1.9	Number of zones failing for hydrogen ion (pH)	-	nr	I
C1.10	Number of zones failing for aluminium	-	nr	I
C1.11	Number of zones failing for iron	-	nr	I
C1.12	Number of zones failing for manganese	-	nr	I
C1.13	Number of zones failing for lead	-	nr	I
C1.14	Number of zones failing for total trihalomethanes	-	nr	I
C1.15	Number of zones failing for all other parameters	-	nr	C

Samples Taken for Water Leaving the WTWs				
C1.16	Number of coliform samples taken	-	nr	I
C1.17	Number of samples with coliform failures	-	nr	I
C1.18	Number of samples with faecal coliforms failures	-	nr	I
C1.19	Number of WTWs failing for cryptosporidium	-	nr	I

WTWs/Service Reservoirs				
C1.20	Number of untreated supplies	-	nr	I
C1.21	Number of WTWs subject to temporary derogations	-	nr	I
C1.22	Number of service reservoirs tested for coliforms	-	nr	I
C1.23	Number of service reservoirs having > 5% of coliform samples failing	-	nr	I

General

A1 G
A2 G
A3 G
A4 N
AX G
B2 G
B3 G
B4 N
BX G
C2 N
C3 N
C4 N
C5 N
CX N
M N
N N
D3 N
D4 N
D5 N
D6 N
DX N

N Identifying all supplies in the north not yet complete
N Temporary derogations no longer in place
N
N

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ANNUAL RETURN INFORMATION REQUIREMENTS

SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C2: Water Quality Outputs - Asset Performance

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Report Year -1		Report Year	
					2002-03	CG	2003-04	CG
							10	
Coliforms								
C2.1	No. of WTWs tested for faecal coliforms	-	nr	l			367	A1
C2.2	No. of WTWs where any samples exceed the compliance value	-	nr	l			46	A1
C2.3	Not in use							
C2.4	Not in use							
Trihalomethanes (THMs)								
C2.5	No. of WTWs tested for THMs	-	nr	l			97	A1
C2.6	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			42	A1
C2.7	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			10	A1
C2.8	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			13	A1
Turbidity								
C2.9	No. of WTWs tested for turbidity	-	nr	l			346	A1
C2.10	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			13	A1
C2.11	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			28	A1
C2.12	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			41	A1
Aluminium								
C2.13	No. of WTWs tested for aluminium	-	nr	l			155	A1
C2.14	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			51	A1
C2.15	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			7	A1
C2.16	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			32	A1
Iron								
C2.17	No. of WTWs tested for iron	-	nr	l			177	A1
C2.18	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			106	A1
C2.19	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			17	A1
C2.20	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			20	A1
Manganese								
C2.21	No. of WTWs tested for manganese	-	nr	l			177	A1
C2.22	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			67	A1
C2.23	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			25	A1
C2.24	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			15	A1

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SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C2: Water Quality Outputs - Asset Performance

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	10	Report Year 2003-04	Comment Necessary Y/N	Comment
Coliforms								
C2.1	No. of WTWs tested for faecal coliforms	-	nr	l			N	
C2.2	No. of WTWs where any samples exceed the compliance value	-	nr	l			N	
C2.3	Not in use							
C2.4	Not in use							
Trihalomethanes (THMs)								
C2.5	No. of WTWs tested for THMs	-	nr	l			N	
C2.6	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			N	
C2.7	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			N	
C2.8	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			N	
Turbidity								
C2.9	No. of WTWs tested for turbidity	-	nr	l			N	
C2.10	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			N	
C2.11	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			N	
C2.12	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			N	
Aluminium								
C2.13	No. of WTWs tested for aluminium	-	nr	l			N	
C2.14	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			N	
C2.15	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			N	
C2.16	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			N	
Iron								
C2.17	No. of WTWs tested for iron	-	nr	l			N	
C2.18	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			N	
C2.19	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			N	
C2.20	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			N	
Manganese								
C2.21	No. of WTWs tested for manganese	-	nr	l			N	
C2.22	No. of WTWs where >= 25% of samples exceed 50% of the compliance value	-	nr	l			N	
C2.23	No. of WTWs where between 10 to 25% of samples exceed 50% of the compliance value	-	nr	l			N	
C2.24	No. of WTWs where <10% of samples exceed 50% of the compliance value	-	nr	l			N	

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ANNUAL RETURN INFORMATION REQUIREMENTS

SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C3: New Obligations - Water

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Report Year - 1		Report Year	
					2002-03	CG	2003-04	CG
							10	
Drinking Water Directive (98/83 EC)								
A) Lead pcv = 25 µg/l								
C3.1	Total number of water supply zones subject to undertakings	-	nr	I			53	B2
C3.2	Volume of water delivered subject to undertakings	-	MI/d	I			286.68	A2
C3.3	% of water delivered subject to undertakings	-	%	C	#DIV/0!		20.798	B3
B) Lead pcv = 10 µg/l								
C3.4	Total number of water supply zones subject to undertakings	-	nr	I			0	N
C3.5	Volume of water delivered subject to undertakings	-	MI/d	I			0	N
C3.6	% of water delivered subject to undertakings	-	%	C	#DIV/0!		0.000	N
C) Trihalomethanes pcv = interim								
C3.7	Total number of water supply zones subject to undertakings	-	nr	I			0	N
C3.8	Volume of water delivered subject to undertakings	-	MI/d	I			0	N
C3.9	% of water delivered subject to undertakings	-	%	C	#DIV/0!		0.000	N
D) Trihalomethanes pcv = final								
C3.10	Total number of water supply zones subject to undertakings	-	nr	I			125	B2
C3.11	Volume of water delivered subject to undertakings	-	MI/d	I			109.42	A2
C3.12	% of water delivered subject to undertakings	-	%	C	#DIV/0!		7.938	B3
E) Other parameters								
C3.13	Total number of water supply zones subject to undertakings	-	nr	I			32	B2
C3.14	Volume of water delivered subject to undertakings	-	MI/d	I			433.42	A2
C3.15	% of water delivered subject to undertakings	-	%	C	#DIV/0!		31.443	B3
The Cryptosporidium (New Water and Sewerage Directive) Direction 2000								
C3.16	Number of water supply zones with a risk assessment score > 100	-	nr	I			0	BX
C3.17	Volume of water delivered with a risk assessment score >100	-	MI/d	I			0	AX
C3.18	Number of water supply zones with a risk assessment score between 76 and 100	-	nr	I			24	B2
C3.19	Volume of water delivered with a risk assessment score between 76 and 100	-	MI/d	I			483.62	A2
C3.20	Number of water supply zones with a risk assessment score between 50 and 75	-	nr	I			37	B2
C3.21	Volume of water delivered with a risk assessment score between 50 and 75	-	MI/d	I			80.72	A2
C3.22	Not in use							
C3.23	Not in use							
C3.24	Not in use							
C3.25	Not in use							
C3.26	Not in use							
C3.27	Not in use							
C3.28	Not in use							
C3.29	Not in use							
C3.30	Not in use							
The Abstraction Directive								
C3.31	Total number of river abstractions	-	nr	I			0	N
C3.32	Number of abstractions identified for programmes of action	-	nr	I			0	N
C3.33	Number of abstractions where programmes of action implemented	-	nr	I			0	N
The Birds Directive, The Habitats Directive								
C3.34	Total number of sites identified requiring authority action	-	nr	I			0	N
C3.35	Number of sites where studies or programmes of action planned	-	nr	I			0	N
C3.36	Number of sites where studies or programmes of action completed	-	nr	I			0	N

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ANNUAL RETURN INFORMATION REQUIREMENTS

SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C3: New Obligations - Water

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	10
					Report Year
					2003-04

Comment Necessary	Comment
Y/N	

Drinking Water Directive (98/83 EC)				
A) Lead pcv = 25 µg/l				
C3.1	Total number of water supply zones subject to undertakings	-	nr	I
C3.2	Volume of water delivered subject to undertakings	-	ML/d	I
C3.3	% of water delivered subject to undertakings	-	%	C
B) Lead pcv = 10 µg/l				
C3.4	Total number of water supply zones subject to undertakings	-	nr	I
C3.5	Volume of water delivered subject to undertakings	-	ML/d	I
C3.6	% of water delivered subject to undertakings	-	%	C
C) Trihalomethanes pcv = interim				
C3.7	Total number of water supply zones subject to undertakings	-	nr	I
C3.8	Volume of water delivered subject to undertakings	-	ML/d	I
C3.9	% of water delivered subject to undertakings	-	%	C
D) Trihalomethanes pcv = final				
C3.10	Total number of water supply zones subject to undertakings	-	nr	I
C3.11	Volume of water delivered subject to undertakings	-	ML/d	I
C3.12	% of water delivered subject to undertakings	-	%	C
E) Other parameters				
C3.13	Total number of water supply zones subject to undertakings	-	nr	I
C3.14	Volume of water delivered subject to undertakings	-	ML/d	I
C3.15	% of water delivered subject to undertakings	-	%	C

The Cryptosporidium (New Water and Sewerage Directive) Direction 2000				
C3.16	Number of water supply zones with a risk assessment score > 100	-	nr	I
C3.17	Volume of water delivered with a risk assessment score >100	-	ML/d	I
C3.18	Number of water supply zones with a risk assessment score between 76 and 100	-	nr	I
C3.19	Volume of water delivered with a risk assessment score between 76 and 100	-	ML/d	I
C3.20	Number of water supply zones with a risk assessment score between 50 and 75	-	nr	I
C3.21	Volume of water delivered with a risk assessment score between 50 and 75	-	ML/d	I

C3.22	Not in use			
C3.23	Not in use			
C3.24	Not in use			
C3.25	Not in use			
C3.26	Not in use			
C3.27	Not in use			
C3.28	Not in use			
C3.29	Not in use			
C3.30	Not in use			

The Abstraction Directive				
C3.31	Total number of river abstractions	-	nr	I
C3.32	Number of abstractions identified for programmes of action	-	nr	I
C3.33	Number of abstractions where programmes of action implemented	-	nr	I

The Birds Directive, The Habitats Directive				
C3.34	Total number of sites identified requiring authority action	-	nr	I
C3.35	Number of sites where studies or programmes of action planned	-	nr	I
C3.36	Number of sites where studies or programmes of action completed	-	nr	I

Prepared by:	Date:
Checked by:	Date:
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Edition 1

General

N		A1	G
N		A2	G
N		A3	G
N		A4	N
N		AX	G
N	No undertakings	B2	G
N	No undertakings	B3	G
N	No undertakings	B4	N
N		BX	G
N	No interim THM standarc	C2	N
N	No interim THM standarc	C3	N
N	No interim THM standarc	C4	N
N		C5	N
N		CX	N
N		M	N
N		N	N
N		D3	N
N		D4	N
N		D5	N
N		D6	N
N		DX	N

N
N
N
N
N
N
N

N Does not currently apply to Scottish Water
N Does not currently apply to Scottish Water
N Does not currently apply to Scottish Water

N Does not currently apply to Scottish Water
N Does not currently apply to Scottish Water
N Does not currently apply to Scottish Water

ANNUAL RETURN INFORMATION REQUIREMENTS

SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C4: Wastewater Quality Outputs - Compliance

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Calendar Year 1		Calendar Year	
					2002	CG	2003	CG
							10	
Sewage Treatment Works								
A) All Discharges								
C4.1	Total consented discharges at year end	-	nr				1435	B2
C4.2	Total discharges sampled in year	-	nr				794	B2
C4.3	Number of discharges compliant	-	nr				1353	B2
B) Look-up Table Lower Tier Consents								
C4.4	Total consented discharges at year end	-	nr				716	B2
C4.5	Total discharges sampled in year	-	nr				622	B2
C4.6	Number of discharges compliant	-	nr				690	B2
C) Upper Tier Consents								
C4.7	Total consented discharges at year end	-	nr				716	B2
C4.8	Total discharges sampled in year	-	nr				622	B2
C4.9	Number of discharges compliant	-	nr				670	B2
D) Single Tier Consents								
C4.10	Total consented discharges at year end	-	nr				482	B2
C4.11	Total discharges sampled in year	-	nr				103	B2
C4.12	Number of discharges compliant	-	nr				473	B2
E) Absolute non Sanitary Consents								
C4.13	Total consented discharges at year end	-	nr				7	B2
C4.14	Total discharges sampled in year	-	nr				4	B2
C4.15	Number of discharges compliant	-	nr				6	B2
F) Non-numeric Consent								
C4.16	Total consented discharges at year end	-	nr				230	B2
C4.17	Total discharges sampled in year	-	nr				65	B2
C4.18	Number of discharges compliant	-	nr				230	B2
G) Discharges confirmed as failing								
C4.19	Number of discharges confirmed as failing	-	nr				82	B2
C4.20	Total population equivalent confirmed as failing	-	pe				477781	B3
C4.21	Percentage population equivalent confirmed as failing	-	%				6.54	B2
H) Pollution incidents								
C4.22	Category 1	-	nr				0	N
C4.23	Category 2	-	nr				0	N
C4.24	Category 3	-	nr				0	N

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ANNUAL RETURN INFORMATION REQUIREMENTS

SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C4: Wastewater Quality Outputs - Compliance

					10		
Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Calendar Year 2003		
					Comment Necessary	Comment	
					Y/N		
Sewage Treatment Works							
A) All Discharges							
C4.1	Total consented discharges at year end	-	nr	l	N		A1 G
C4.2	Total discharges sampled in year	-	nr	l	N		A2 G
C4.3	Number of discharges compliant	-	nr	l	N		A3 G
B) Look-up Table Lower Tier Consents							
C4.4	Total consented discharges at year end	-	nr	l	N		A4 N
C4.5	Total discharges sampled in year	-	nr	l	N		AX G
C4.6	Number of discharges compliant	-	nr	l	N		B2 G
C) Upper Tier Consents							
C4.7	Total consented discharges at year end	-	nr	l	N		B3 G
C4.8	Total discharges sampled in year	-	nr	l	N		B4 N
C4.9	Number of discharges compliant	-	nr	l	N		BX G
D) Single Tier Consents							
C4.10	Total consented discharges at year end	-	nr	l	N		C2 N
C4.11	Total discharges sampled in year	-	nr	l	N		C3 N
C4.12	Number of discharges compliant	-	nr	l	N		C4 N
E) Absolute non Sanitary Consents							
C4.13	Total consented discharges at year end	-	nr	l	N		C5 N
C4.14	Total discharges sampled in year	-	nr	l	N		CX N
C4.15	Number of discharges compliant	-	nr	l	N		M N
F) Non-numeric Consent							
C4.16	Total consented discharges at year end	-	nr	l	N		N N
C4.17	Total discharges sampled in year	-	nr	l	N		D3 N
C4.18	Number of discharges compliant	-	nr	l	N		D4 N
G) Discharges confirmed as failing							
C4.19	Number of discharges confirmed as failing	-	nr	l	N		D5 N
C4.20	Total population equivalent confirmed as failing	-	pe	l	N		D6 N
C4.21	Percentage population equivalent confirmed as failing	-	%	l	N		DX N
H) Pollution incidents							
C4.22	Category 1	-	nr	l	N	This field will not be completed this year See commentary	
C4.23	Category 2	-	nr	l	N	This field will not be completed this year See commentary	
C4.24	Category 3	-	nr	l	N	This field will not be completed this year See commentary	

Prepared by:	Date:
Checked by:	Date:
Authorised by: Geoff Aitkenhead	Date:

Edition 2

SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C5: Wastewater Quality Outputs - Asset Performance

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Report Year -1 2002-03		Report Year 2003-04	
					CG	CG	CG	CG
BOD							10	
C5.1	Number of sewage treatment works with a numeric BOD consent	-	nr	C	0		0	N
C5.2	Number of sewage treatment works where >= 12 samples taken for BOD	-	nr	I			0	N
C5.3	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I			0	N
C5.4	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I			0	N
C5.5	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I			0	N
Suspended Solids								
C5.6	Number of sewage treatment works with a numeric Suspended Solids consent	-	nr	C	0		0	N
C5.7	Number of sewage treatment works where >= 12 samples taken for Suspended Solids	-	nr	I			0	N
C5.8	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I			0	N
C5.9	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I			0	N
C5.10	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I			0	N
Ammonia								
C5.11	Number of sewage treatment works with a numeric Ammonia consent	-	nr	C	0		0	N
C5.12	Number of sewage treatment works where >= 12 samples taken for Ammonia	-	nr	I			0	N
C5.13	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I			0	N
C5.14	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I			0	N
C5.15	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I			0	N
Phosphate								
C5.16	Number of sewage treatment works with a numeric Phosphate consent	-	nr	C	0		0	N
C5.17	Number of sewage treatment works where >= 12 samples taken for Phosphate	-	nr	I			0	N
C5.18	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I			0	N
C5.19	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I			0	N
C5.20	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I			0	N
Nitrate								
C5.21	Number of sewage treatment works with a numeric Nitrate consent	-	nr	C	0		0	N
C5.22	Number of sewage treatment works where >= 12 samples taken for Nitrate	-	nr	I			0	N
C5.23	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I			0	N
C5.24	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I			0	N
C5.25	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I			0	N

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 Authorised by: Geoff Aitkenhead Date:

ANNUAL RETURN INFORMATION REQUIREMENTS

SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C5: Wastewater Quality Outputs - Asset Performance

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type				
					10			
					Report Year 2003-04			
					Comment Necessary	Comment		
BOD					General			
C5.1	Number of sewage treatment works with a numeric BOD consent	-	nr	C	N	Not entered as agreed with A1	G	
C5.2	Number of sewage treatment works where >= 12 samples taken for BOD	-	nr	I	N	Not entered as agreed with A2	G	
C5.3	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I	N	Not entered as agreed with A3	G	
C5.4	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I	N	Not entered as agreed with A4	N	
C5.5	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I	N	Not entered as agreed with AX	G	
Suspended Solids					B2 G			
C5.6	Number of sewage treatment works with a numeric Suspended Solids consent	-	nr	C	N	Not entered as agreed with B4	N	
C5.7	Number of sewage treatment works where >= 12 samples taken for Suspended Solids	-	nr	I	N	Not entered as agreed with BX	G	
C5.8	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I	N	Not entered as agreed with C2	N	
C5.9	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I	N	Not entered as agreed with C3	N	
C5.10	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I	N	Not entered as agreed with C4	N	
Ammonia					C5 N			
C5.11	Number of sewage treatment works with a numeric Ammonia consent	-	nr	C	N	Not entered as agreed with M	N	
C5.12	Number of sewage treatment works where >= 12 samples taken for Ammonia	-	nr	I	N	Not entered as agreed with N	N	
C5.13	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I	N	Not entered as agreed with D3	N	
C5.14	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I	N	Not entered as agreed with D4	N	
C5.15	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I	N	Not entered as agreed with D5	N	
Phosphate					D6 N DX			
C5.16	Number of sewage treatment works with a numeric Phosphate consent	-	nr	C	N	Not entered as agreed with WIC		
C5.17	Number of sewage treatment works where >= 12 samples taken for Phosphate	-	nr	I	N	Not entered as agreed with WIC		
C5.18	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I	N	Not entered as agreed with WIC		
C5.19	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I	N	Not entered as agreed with WIC		
C5.20	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I	N	Not entered as agreed with WIC		
Nitrate								
C5.21	Number of sewage treatment works with a numeric Nitrate consent	-	nr	C	N	Not entered as agreed with WIC		
C5.22	Number of sewage treatment works where >= 12 samples taken for Nitrate	-	nr	I	N	Not entered as agreed with WIC		
C5.23	Number of sewage works where the sample mean > 62.5% of the compliance value	-	nr	I	N	Not entered as agreed with WIC		
C5.24	Number of sewage works where the sample mean > 50% and <= 62.5% of the compliance value	-	nr	I	N	Not entered as agreed with WIC		
C5.25	Number of sewage works where the sample mean <= 50% of the compliance value	-	nr	I	N	Not entered as agreed with WIC		

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Authorised by: Geoff Aitkenhead	Date:

ANNUAL RETURN INFORMATION REQUIREMENTS

SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C6: Wastewater Quality Outputs - New Obligations

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Report Year - 1		Report Year	
					2002-03	CG	2003-04	CG
							10	
Driver WQ1: Control of Pollution Act 1974 S34								
A) Sewage Treatment Works upgrading								
C6.1	Total number of sewage treatment works subject to improvement works	-	nr	I			11	B2
C6.2	Population equivalent subject to improvement works	-	000s	I			38	B2
C6.3	% of total population equivalent subject to improvement works	-	%	I			0.51	B2
B) Sewerage system upgrading								
C6.4	Total number of sewerage schemes subject to improvement works	-	nr	I			3	B2
C6.5	Population equivalent subject to improvement works	-	000s	I			55	B2
C6.6	% of total population equivalent subject to improvement works	-	%	I			0.76	B2
Driver WQ2: Improvements to poor or seriously polluted waters								
C) Sewage Treatment Works Discharge Improvements								
C6.7	Total number of sewage treatment works subject to improvement works	-	nr	I			8	B2
C6.8	Population equivalent subject to improvement works	-	000s	I			39	B2
C6.9	% of total population equivalent subject to improvement works	-	%	I			0.54	B2
D) CSO Discharge Improvements								
C6.10	Total number of CSOs subject to improvement works	-	nr	I			1	B2
E) Surface Water Discharges/ Industrial Estates								
C6.11	Total number of discharges subject to improvement works	-	nr	I			0	A1
C6.12	Population equivalent subject to improvement works	-	000s	I			0	A1
C6.13	% of total population equivalent subject to improvement works	-	%	I			0	A1
F) First Time Sewerage of Coastal and Inland Villages								
C6.14	Total number of villages subject to improvement works	-	nr	I			5	B2
C6.15	Population equivalent subject to improvement works	-	000s	I			0.2	B2
C6.16	% of total population equivalent subject to improvement works	-	%	I			0	B2
Driver WQ3: Protection of Risk								
G) Recreation and non-identified Coastal Waters								
C6.17	Total number of discharges subject to improvement works	-	nr	I			9	B2
C6.18	Population equivalent subject to improvement works	-	000s	I			14	B2
C6.19	% of total population equivalent subject to improvement works	-	%	I			0.19	B2
H) Phosphorus Control								
C6.20	Total number of sewage treatment works subject to improvement works	-	nr	I			6	B2
C6.21	Population equivalent subject to improvement works	-	000s	I			37	B2
C6.22	% of total population equivalent subject to improvement works	-	%	I			0.5	B2
Driver EC1: UWWTD Directive								
I) Inland Waters - CSOs (intermittent discharges)								
C6.23	Total number of combined sewerage overflows subject to improvement works	-	nr	I			7	B2
J) Inland Waters - Sewage Treatment (continuous discharges)								
C6.24	Total number of sewage treatment works subject to improvement works	-	nr	I			8	B2
C6.25	Population equivalent subject to improvement works	-	000s	I			60	B2
C6.26	% of total population equivalent subject to improvement works	-	%	I			0.83	B2
K) Coastal Waters - CSOs (intermittent discharges)								
C6.27	Total number of combined sewerage overflows subject to improvement works	-	nr	I			13	B2
L) Coastal Waters - Sewage Treatment (continuous discharges)								
C6.28	Total number of sewage treatment works subject to improvement works	-	nr	I			11	B2
C6.29	Population equivalent subject to improvement works	-	000s	I			94	B2
C6.30	% of total population equivalent subject to improvement works	-	%	I			1.29	B2
M) Estuarial Waters - CSOs (intermittent discharges)								
C6.31	Total number of combined sewerage overflows subject to improvement works	-	nr	I			0	A1
N) Estuarial Waters - Sewage Treatment (continuous discharges)								
C6.32	Total number of sewage treatment works subject to improvement works	-	nr	I			3	B2
C6.33	Population equivalent subject to improvement works	-	000s	I			74	B2
C6.34	% of total population equivalent subject to improvement works	-	%	I			1.01	B2
Driver EC2: Bathing Waters Directive								
O) CSOs (intermittent discharges)								
C6.35	Total number of combined sewerage overflows subject to improvement works	-	nr	I			14	B2
P) Sewage Treatment (continuous discharges)								
C6.36	Total number of sewage treatment works subject to improvement works	-	nr	I			5	B2
C6.37	Population equivalent subject to improvement works	-	000s	I			5	B2
C6.38	% of total population equivalent subject to improvement works	-	%	I			0.07	B2
Driver EC3: Shellfish Waters								
Q) CSOs (intermittent discharges)								
C6.39	Total number of combined sewerage overflows subject to improvement works	-	nr	I			0	A1
R) Sewage Treatment (continuous discharges)								
C6.40	Total number of sewage treatment works subject to improvement works	-	nr	I			2	B2
C6.41	Population equivalent subject to improvement works	-	000s	I			2	B2
C6.42	% of total population equivalent subject to improvement works	-	%	I			0.03	B2
Driver EC4: Freshwater Fish Directive								
S) CSOs (intermittent discharges)								
C6.43	Total number of combined sewerage overflows subject to improvement works	-	nr	I			0	A1
T) Sewage Treatment (continuous discharges)								
C6.44	Total number of sewage treatment works subject to improvement works	-	nr	I			2	B2
C6.45	Population equivalent subject to improvement works	-	000s	I			2	B2
C6.46	% of total population equivalent subject to improvement works	-	%	I			0.02	B2
Driver EC6: Sludge (Use in Agriculture) Directive								
C6.47	Total number new or enlarged sludge treatment works in improvement programme	-	nr	I			0	A1
C6.48	Total capacity of new or enlarged sludge treatment works in improvement programme	-	ttds	I			0	A1
C6.49	% of total sludge treatment capacity in improvement works	-	%	I			0	A1
Driver EC8: Habitats Directive								
C6.49a	Total number of sites identified requiring authority action	-	nr	I			8	B2
C6.49b	Number of sites where studies or programmes of action planned	-	nr	I			8	B2
C6.49c	Number of sites where studies or programmes of action completed	-	nr	I			0	A1
Driver EC9: Dangerous Substances Directive								
C6.50	Total number of projects subject to improvement works	-	nr	I			0	A1

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ANNUAL RETURN INFORMATION REQUIREMENTS

SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C6: Wastewater Quality Outputs - New Obligations

Line Ref.	Description	Ofwat Reference	Units	Field Type	10
					Report Year 2003-04
					Comments Necessary
					Comments
					Y/N
Driver WQ1: Control of Pollution Act 1974 S34					
A) Sewerage Treatment Works upgrading					
C6.1	Total number of sewerage treatment works subject to improvement works	-	nr	I	N
C6.2	Population equivalent subject to improvement works	-	000s	I	N
C6.3	% of total population equivalent subject to improvement wor	-	%	I	N
B) Sewerage system upgrading					
C6.4	Total number of sewerage schemes subject to improvement works	-	nr	I	N
C6.5	Population equivalent subject to improvement works	-	000s	I	N
C6.6	% of total population equivalent subject to improvement wor	-	%	I	N
Driver WQ2: Improvements to poor or seriously polluted waters					
C) Sewerage Treatment Works Discharge Improvements					
C6.7	Total number of sewerage treatment works subject to improvement works	-	nr	I	N
C6.8	Population equivalent subject to improvement works	-	000s	I	N
C6.9	% of total population equivalent subject to improvement wor	-	%	I	N
D) CSO Discharge Improvements					
C6.10	Total number of CSOs subject to improvement work	-	nr	I	N
E) Surface Water Discharges/ Industrial Estates					
C6.11	Total number of discharges subject to improvement works	-	nr	I	N
C6.12	Population equivalent subject to improvement works	-	000s	I	N
C6.13	% of total population equivalent subject to improvement wor	-	%	I	N
F) First Time Sewerage of Coastal and Inland Villages					
C6.14	Total number of villages subject to improvement works	-	nr	I	N
C6.15	Population equivalent subject to improvement works	-	000s	I	N
C6.16	% of total population equivalent subject to improvement wor	-	%	I	N
Driver WQ3: Protection of Risk					
G) Recreation and non-identified Coastal Waters					
C6.17	Total number of discharges subject to improvement works	-	nr	I	N
C6.18	Population equivalent subject to improvement works	-	000s	I	N
C6.19	% of total population equivalent subject to improvement wor	-	%	I	N
H) Phosphorus Control					
C6.20	Total number of sewerage treatment works subject to improvement works	-	nr	I	N
C6.21	Population equivalent subject to improvement works	-	000s	I	N
C6.22	% of total population equivalent subject to improvement wor	-	%	I	N
Driver EC1: UWWTD Directive					
I) Inland Waters - CSOs (intermittent discharges)					
C6.23	Total number of combined sewerage overflows subject to improvement wor	-	nr	I	N
J) Inland Waters - Sewerage Treatment (continuous discharges)					
C6.24	Total number of sewerage treatment works subject to improvement works	-	nr	I	N
C6.25	Population equivalent subject to improvement works	-	000s	I	N
C6.26	% of total population equivalent subject to improvement wor	-	%	I	N
K) Coastal Waters - CSOs (intermittent discharges)					
C6.27	Total number of combined sewerage overflows subject to improvement wor	-	nr	I	N
L) Coastal Waters - Sewerage Treatment (continuous discharges)					
C6.28	Total number of sewerage treatment works subject to improvement works	-	nr	I	N
C6.29	Population equivalent subject to improvement works	-	000s	I	N
C6.30	% of total population equivalent subject to improvement wor	-	%	I	N
M) Estuarial Waters - CSOs (intermittent discharges)					
C6.31	Total number of combined sewerage overflows subject to improvement wor	-	nr	I	N
N) Estuarial Waters - Sewerage Treatment (continuous discharges)					
C6.32	Total number of sewerage treatment works subject to improvement works	-	nr	I	N
C6.33	Population equivalent subject to improvement works	-	000s	I	N
C6.34	% of total population equivalent subject to improvement wor	-	%	I	N
Driver EC2: Bathing Waters Directive					
O) CSOs (intermittent discharges)					
C6.35	Total number of combined sewerage overflows subject to improvement wor	-	nr	I	N
P) Sewerage Treatment (continuous discharges)					
C6.36	Total number of sewerage treatment works subject to improvement works	-	nr	I	N
C6.37	Population equivalent subject to improvement works	-	000s	I	N
C6.38	% of total population equivalent subject to improvement wor	-	%	I	N
Driver EC3: Shellfish Waters					
Q) CSOs (intermittent discharges)					
C6.39	Total number of combined sewerage overflows subject to improvement wor	-	nr	I	N
R) Sewerage Treatment (continuous discharges)					
C6.40	Total number of sewerage treatment works subject to improvement works	-	nr	I	N
C6.41	Population equivalent subject to improvement works	-	000s	I	N
C6.42	% of total population equivalent subject to improvement wor	-	%	I	N
Driver EC4: Freshwater Fish Directive					
S) CSOs (intermittent discharges)					
C6.43	Total number of combined sewerage overflows subject to improvement wor	-	nr	I	N
T) Sewerage Treatment (continuous discharges)					
C6.44	Total number of sewerage treatment works subject to improvement works	-	nr	I	N
C6.45	Population equivalent subject to improvement works	-	000s	I	N
C6.46	% of total population equivalent subject to improvement wor	-	%	I	N
Driver EC6: Sludge (Use in Agriculture) Directive					
C6.47	Total number new or enlarged sludge treatment works in improvement programme	-	nr	I	N
C6.48	Total capacity of new or enlarged sludge treatment works in improvement programme	-	ttds	I	N
C6.49	% of total sludge treatment capacity in improvement wor	-	%	I	N
Driver EC8: Habitats Directive					
C6.49a	Total number of sites identified requiring authority action	-	nr	I	N
C6.49b	Number of sites where studies or programmes of action planned	-	nr	I	N
C6.49c	Number of sites where studies or programmes of action complete	-	nr	I	N
Driver EC9: Dangerous Substances Directive					
C6.50	Total number of projects subject to improvement work	-	nr	I	N

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SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C7: Water Mains Activities

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Report Year -1		Report Year	
					2002-03	CG	2003-04	CG
							10	
Water Mains Rehabilitation Under Agreed Programme of Works								
C7.1	Number of water supply zones	-	nr				392	A1
C7.2	Number of water supply zones subject to an agreed programme of work	-	nr				195	C4
C7.3	Length of mains for replacement in agreed programme of work	-	km				2666	A2
C7.4	Length of mains for relining in agreed programme of work	-	km				385	A3
C7.5	Length of mains surveyed pre-appraisal (as PPRA) in report year	-	km				2022	A2
C7.6	Length of mains replaced in report year	-	km				592	A2
C7.7	Length of mains relined in report year	-	km				0	A1
C7.8	Length of mains with completed and acceptable post-surveys	-	km				51	A2
C7.9	No. of water supply zones where programmes of work have been completed	-	nr				6	A2
Water Resource Planning								
C7.10	Total number of district metered areas in Authority supply area	-	nr				1076	B4
C7.11	Number of district metered areas updated in report year	-	nr				544	B4
C7.12	Number of district metered areas currently being updated	-	nr				735	A3
C7.13	Percentage of population covered by updated district meter area studies	T10a,L11	%				39	B4
C7.14	Percentage of total network covered by updated district meter area studies	-	%				40	B4

SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C7: Water Mains Activities

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Report Year	
					2003-04	CG
					10	
					Comments Necessary Y/N	Comments

Water Mains Rehabilitation Under Agreed Programme of Works				
C7.1	Number of water supply zones	-	nr	l
C7.2	Number of water supply zones subject to an agreed programme of work	-	nr	l
C7.3	Length of mains for replacement in agreed programme of work	-	km	l
C7.4	Length of mains for relining in agreed programme of work	-	km	l
C7.5	Length of mains surveyed pre-appraisal (as PPRA) in report year	-	km	l
C7.6	Length of mains replaced in report year	-	km	l
C7.7	Length of mains relined in report year	-	km	l
C7.8	Length of mains with completed and acceptable post-surveys	-	km	l
C7.9	No. of water supply zones where programmes of work have been completed	-	nr	l

Water Resource Planning				
C7.10	Total number of district metered areas in Authority supply area	-	nr	l
C7.11	Number of district metered areas updated in report year	-	nr	l
C7.12	Number of district metered areas currently being updated	-	nr	l
C7.13	Percentage of population covered by updated district meter area studies	T10a,L11	%	l
C7.14	Percentage of total network covered by updated district meter area studies	-	%	l

		General	
N		A1	G
N	Some extrapolation has been requi	A2	G
N		A3	G
N		A4	N
N		AX	G
N		B2	G
N		B3	G
N		B4	N
N		BX	G
N		C2	N
		C3	N
		C4	N
N	Low accuracy assigned due to the l	C5	N
N	Low accuracy assigned due to the l	CX	N
N		M	N
N	Low accuracy assigned due to the l	N	N
N	Low accuracy assigned due to the l	D3	N
		D4	N
		D5	N
		D6	N
		DX	N

ANNUAL RETURN INFORMATION REQUIREMENTS

SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C8: Sewer Activities

Line Ref.	Description	Ofwat Reference JR 2000	Units	Field Type	Report Year -1		Report Year	
					2002-03	CG	2003-04	CG
							10	
Sewer Rehabilitation Programme								
C8.1	Number of sewage drainage areas	T16, L38	nr	I			806	A1
C8.2	Number of sewage drainage areas subject to a programme of work	-	nr	I			317	B3
C8.3	Length of sewers for replacement in programme of work	-	km	I			0	M
C8.4	Length of sewers for rehabilitation in programme of work	-	km	I			410	C4
C8.5	Length of sewers surveyed pre-appraisal (as PPRA) in report year	-	km	I			189	B2
C8.6	Length of sewers replaced in report year	-	km	I			0	M
C8.7	Length of mains rehabilitated in report year	-	km	I			46	C4
C8.8	Length of sewers with completed and acceptable post-surveys	-	km	I			0	M
C8.9	No. of sewage drainage areas where programmes of works have been completed	-	nr	I			35	B3
Critical Sewers								
C8.10	Length of "critical sewers" rehabilitated	T16, L8	km	I			5.857	C4
C8.11	Length of "critical sewers" replaced	T16, L9	km	I			0	M
C8.12	Abandoned "critical sewers" and other changes	T16, L16	km	I			2023	C3
Drainage Area Plans								
C8.13	Drainage area plans updated since 1 April 2002	T16, L36	nr	I			0	M
C8.14	Drainage area plans currently being updated	T16, L37	nr	I			0	M
C8.15	Cumulative % drainage area plans updated since 1 April 2002	T16, L39	%	C	#DIV/0!		0	M
C8.16	% Population covered by updated studies	T16, L40	%	I			0	M

ANNUAL RETURN INFORMATION REQUIREMENTS

SECTION C: QUALITY AND ENVIRONMENTAL OUTPUTS
Table C8: Sewer Activities

Line Ref.	Description	Ofwat Reference	Units	Field Type
		JR 2000		

10	
Report Year	
2003-04	CG

Comments Necessary	Comments
Y/N	

Sewer Rehabilitation Programme				
C8.1	Number of sewage drainage areas	T16, L38	nr	I
C8.2	Number of sewage drainage areas subject to a programme of work	-	nr	I
C8.3	Length of sewers for replacement in programme of work	-	km	I
C8.4	Length of sewers for rehabilitation in programme of work	-	km	I
C8.5	Length of sewers surveyed pre-appraisal (as PPRA) in report year	-	km	I
C8.6	Length of sewers replaced in report year	-	km	I
C8.7	Length of mains rehabilitated in report year	-	km	I
C8.8	Length of sewers with completed and acceptable post-surveys	-	km	I
C8.9	No. of sewage drainage areas where programmes of work have been completed	-	nr	I

Critical Sewers				
C8.10	Length of "critical sewers" rehabilitated	T16, L8	km	I
C8.11	Length of "critical sewers" replaced	T16, L9	km	I
C8.12	Abandoned "critical sewers" and other changes	T16, L16	km	I

Drainage Area Plans				
C8.13	Drainage area plans updated since 1 April 2002	T16, L36	nr	I
C8.14	Drainage area plans currently being updated	T16, L37	nr	I
C8.15	Cumulative % drainage area plans updated since 1 April 2002	T16, L39	%	C
C8.16	% Population covered by updated studies	T16, L40	%	I

General		
N		A1 G
N		A2 G
N		A3 G
N	The division between what sewerage	A4 N
N	The division between what sewerage	AX G
N		B2 G
N	The division between what sewerage	B3 G
N	The division between what sewerage	B4 N
N	There is no figure reported here as	BX G
N		C2 N
		C3 N
		C4 N
N	The division between what critical s	C5 N
N	The division between what critical s	CX N
N	This line is consistent with Line D6.	M N
		N N
		D3 N
N	At present no Drainage Area Plans	D4 N
N	At present no Drainage Area Plans	D5 N
N	At present no Drainage Area Plans	D6 N
N	At present no Drainage Area Plans	DX N